

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 POLLUTION/SITUATION REPORT  
 Portage Creek Area - Removal Polrep



US EPA RECORDS CENTER REGION 5



435589

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region V**

**Subject:** POLREP #11  
 Progress  
 Portage Creek Area  
 059B05  
 Kalamazoo, MI  
 Latitude: 42.2839750 Longitude: -85.5791570

**To:** Sam Borries, U.S. EPA  
 Jason El-Zein, U.S. EPA  
 John Maritote, U.S. EPA  
 Mike Ribordy, U.S. EPA  
 Mark Mills, Michigan DNR  
 Daria Devantier, MDEQ  
 Paul Bucholtz, MDEQ  
 Bruce Merchant, Kalamazoo City  
 Debbie Jung, Kalamazoo City  
 Lisa Williams, U.S. FWS  
 Todd Goeks, NOAA  
 Valencia Darby, Department of Interior  
 Mark Johnson, ATSDR

**From:** Craig Thomas, On-Scene Coordinator

**Date:** 6/8/2012

**Reporting Period:** 5/27/2012 - 6/8/2012

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	059B05	<b>Contract Number:</b>	EP-S5-09-05
<b>D.O. Number:</b>	0087	<b>Action Memo Date:</b>	7/5/2011
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	NPL	<b>Operable Unit:</b>	05
<b>Mobilization Date:</b>	9/26/2011	<b>Start Date:</b>	8/30/2011
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	MID006007306	<b>RCRIS ID:</b>	NA
<b>ERNS No.:</b>	NA	<b>State Notification:</b>	Yes
<b>FPN#:</b>	NA	<b>Reimbursable Account #:</b>	NA

**1.1.1 Incident Category**

Fund-lead removal action

**1.1.2 Site Description**

See POLREP #1

**1.1.2.1 Location**

See POLREP #1

**1.1.2.2 Description of Threat**

See POLREP #1

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

See POLREP #1

**2. Current Activities****2.1 Operations Section****2.1.1 Narrative**

A de-watering system was installed consisting of extraction wells along both creek banks which draw down the groundwater level from under the creek, thereby reducing water infiltration into the channel and allowing for drier dredging. Once the de-watering system was operational, dredging operations continued with contaminated sediment removal completed in grids SA6-7 to SA6-10, with backfill activities underway. Dredging and backfilling operations are still on track to be completed in SA6 by the end of June.

**2.1.2 Response Actions to Date**

From May 27 to June 8, EPA, START and ERRS contractors/sub-contractors conducted the following activities:

Site Activities - SA6

- Installed and initiated operation of a groundwater de-watering system in grids SA6-7 to SA6-14;
- Excavated and stabilized contaminated sediments from grids SA6-7, SA6-8, SA6-9 and SA6-10;
- Completed post-excavation sampling in grids SA6-7, SA6-8, SA6-9 and SA6-10 to confirm cleanup goals were met.
- Sampling results from the composite sample taken in grid SA6-7 were 1.22 mg/kg PCBs, which is under the performance standard of 10 mg/kg, but is above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 6" of sediment and another confirmatory sample was taken;
- Sampling results from the composite sample taken in grid SA6-8 were 3.77 mg/kg PCBs, which is under the performance standard of 10mg/kg, but above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 12" of sediment and another confirmatory sample will be taken;
- Sampling results from the composite sample taken in grid SA6-9 were 1.13 mg/kg PCBs, which is under the performance standard of 10 mg/kg, but is above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 6" of sediment and another confirmatory sample will be taken;
- Results from composite samples taken in grid SA6-10 were 1.06 mg/kg PCBs, which is under the performance standard of 10 mg/kg, but is above the performance standard goal of 1 mg/kg. Crews returned to this area and removed an additional 6" of sediment and another confirmatory sample will be taken;
- Backfilling was conducted in grid SA6-7, and will be completed to pre-excavation grade; and
- Personnel air monitoring, stream turbidity, noise level, and perimeter particulate monitoring continued in work areas with all results below action levels.

Site Activities - Staging Pad

- Received and further solidified contaminated sediments excavated from SA6;
- Loaded out 10 trucks of solidified sediments for disposal at the C&C Landfill in Marshall, MI (note final weights for 3 of these trucks were not received as of the time this Polrep was written and estimated weights were used; once final weights are received this Polrep will be updated on-line); and
- Set up, test and began operation of EPA's mobile wastewater treatment system for treatment of drainage water.

Project Management Activities

- Conducted update meetings with Kalamazoo City on site progress;
- Provided a presentation at a public meeting held on May 31;
- Responded to U.S. FWS and NRDA Trustee comments regarding the Restoration Plan;

- Began planning for mobilization along Axtell Creek for dredging operations (expected to begin in early July);
- Requested bids to remove large, diseased and dead trees from SA5 and Axtell Creek corridors which will interfere with dredging operations; and
- Conducted data validation for post-removal confirmation sediment samples collected from SA6.

### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The major PRP for this portion of the Allied Paper Inc./Portage Creek/Kalamazoo River Superfund site was dissolved through bankruptcy proceedings in April 2010. Other PRPs are being evaluated.

### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-TSCA contaminated sediments	solidified sediment	102.75 tons	NTSCA-033 to NTSCA-034	disposal	C&C Landfill, Marshall, MI
Non-TSCA contaminated sediments	solidified sediment	572.28 tons (estimated)	NTSCA-035 to NTSCA-044	disposal	C&C Landfill, Marshall, MI

## 2.2 Planning Section

A summary of removal activities that will take place in the upcoming week(s) include:

### Site Activities - Staging Pad

- Receive, de-water and load out contaminated sediments excavated from SA6 for disposal; and
- Contaminated water treatment in EPA's mobile waste water treatment plant.

### Site Activities - SA6

- Complete excavation, solidification and transport of contaminated sediments;
- Complete stream channel and streambank restoration activities (backfilling, streambank stabilization); and
- Continue turbidity, noise, perimeter and personnel air monitoring near site activities.

### Site Activities - Axtell Creek

- Remove large trees that will interfere with dredging operations;
- Prepare work area on south bank of creek for heavy equipment staging; and
- Install sheet piling for coffer dams near the John Street culvert and the confluence with Portage Creek;

### Project Management Activities

- Continue weekly progress meetings with City of Kalamazoo;
- Complete site-specific restoration plans for SA5, SA6, and SA7 for review by trustees; and
- Request bids for Axtell Creek bypass pumping system.

### 2.2.1 Anticipated Activities

See POLREP #2

#### 2.2.1.1 Planned Response Activities

See above

#### 2.2.1.2 Next Steps

See above

#### 2.2.2 Issues

None

## 2.3 Logistics Section

The current resources present on site during this reporting period include:

- Office trailers

- Portable restrooms and hand-washing stations
- Portable generators
- Submersible pumps
- Equipment storage container
- ERRS work crews and subcontractor work crews
- START sampling contractor
- Heavy equipment
- Water truck
- Street sweeper
- Truck wash
- Mixing boxes
- Frac (water) tanks
- Pressure wash trailer
- Bypass pumps and piping
- Groundwater de-watering pumps, wells and piping
- Sheet piling

## 2.4 Finance Section

### 2.4.1 Narrative

See table

#### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$4,700,000.00	\$1,961,200.00	\$2,738,800.00	58.27%
TAT/START	\$300,000.00	\$143,909.00	\$156,091.00	52.03%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	<b>\$5,000,000.00</b>	<b>\$2,105,109.00</b>	<b>\$2,894,891.00</b>	<b>57.90%</b>

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

Craig Thomas and Paul Ruesch serve as safety officer(s). The HASP is reviewed and signed by all site personnel. All new personnel are provided a site orientation and safety briefing. Safety meetings are held each morning with all workers.

### 2.6 Liaison Officer

Craig Thomas and Paul Ruesch serve as liaison(s) with local officials and interested parties.

### 2.7 Information Officer

Craig Thomas participated in a public meeting on May 31. An updated Fact Sheet was distributed and a presentation was given on the project status. The Fact Sheet and presentation are posted in the 'documents' section of the website.

### **2.7.1 Public Information Officer**

See Section 2.7

### **2.7.2 Community Involvement Coordinator**

Don DeBlasio - U.S. EPA

## **3. Participating Entities**

### **3.1 Unified Command**

N/A

### **3.2 Cooperating Agencies**

U.S. Environmental Protection Agency  
Michigan Department of Environmental Quality  
Michigan Department of Agriculture and Rural Development  
Michigan Department of Natural Resources  
U.S. Fish and Wildlife Service  
City of Kalamazoo:  
    Department of Public Services  
    Parks and Recreation Department  
    Economic Development Department  
    Community Planning & Development  
    Public Safety Department  
    Fire Department  
    Police Department  
    ReDevelopment Department  
Bronson Methodist Hospital  
Kalamazoo Nature Center

## **4. Personnel On Site**

U.S. EPA - 2  
ERRS contractor (Environmental Quality Management, Inc) - 14  
Terra Contracting (subcontractor to EQM) - 1  
Rain 4 Rent (subcontractor to EQM) - 2  
START contractor (Dynamac) - 1  
Fulton Trucking - 2  
Advance Security - 1

TOTAL PERSONNEL = 23

## **5. Definition of Terms**

C&D - Construction and Demolition (waste)  
ERRS - Emergency and Rapid Response Services  
FOSC - Federal On Scene Coordinator  
U.S. FWS - United States Fish and Wildlife Service  
HASP - Health and Safety Plan  
HDPE - High density polyethylene (plastic)  
mg/kg - milligrams per kilogram  
mg/m3 - milligrams per cubic meter  
MDARD - Michigan Department of Agriculture and Rural Development  
MDEQ - Michigan Department of Environmental Quality  
NA - Not Applicable  
NOAA - National Oceanic and Atmospheric Administration  
NPL - National Priorities List  
NRDA - Natural Resource Damage Assessment  
ntu - nephelometric turbidity units  
PCB - polychlorinated biphenyl  
ppm - parts per million  
PRPs - Potentially Responsible Parties  
RTK GPS - Real Time Kinematic Global Positioning System  
SA - Slope Area

START - Superfund Technical Assessment and Response Team  
U.S. EPA - United States Environmental Protection Agency

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

See the project website at <http://www.epaosc.org/portagecreekarea>.

### **6.2 Reporting Schedule**

The next POLREP will be generated in approximately 2 weeks.

## **7. Situational Reference Materials**

See the project website at <http://www.epaosc.org/portagecreekarea>.

Additional information on the overall Kalamazoo River Project can be found at <http://www.epa.gov/Region5/cleanup/kalproject/index.htm>.



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